29 December 1952

	MEMORANDUM TO THE FILES:		-	
	FROM :		KIN K-YNE!	50X1
	SUBJECT :	Project 2051, Contract	Task 11	50X1
	REF :			50X1
		16th of December 1952 a for the prin reference to the URP-	trip was made to the urpose of checking the progress ll Thermoelectric Generator.	_50X1
< >	Timese presente were.			50X1
	all the funds that have been appropriated. A written report was completed and was about to be sent out on the 16th of December, giving all the details of what has been accomplished up to the present time. This report should be in CIA channels at the present time. 3. Briefly, the study phase of this Task is not anywhere near completed. pointed out that they have two very good possibilities, one being 5 Alloy 1063, and the other being a tin-bismuth alloy. He stated that the first alloy would accomplish the purpose as far as generating the required power was concerned, but would not come with the weight specification since it would have an estimated weight of 25 pounds. The tin-bismuth gives a more efficient pile, but would have a higher internal resistance, and a 15 pound pile would not meet			
	the specification for pow	er output.	stated that they had found th power output and weight at	50X1
	4. Since all funds have been expended on this Task, the study phase is more r less left hanging in mid air, with fair possibilities of success if continued or another six months. There are still many problems to be solved, and in a are research task of this kind it is pretty difficult to say if it is worthwhile ontinuing or not. seemed to feel pretty optomistic 50 cout it, and they would much like to continue it for another six months. There is this much to be said; they do have a pile developed that closely approaches the verall efficiency of a small steam engine generator roughly 4 to 5 percent. Dr.			.e 50X1
	is going to make a visit here on or about the 5th of January, and he was 50 informed that whether this project would be continued or not, would be dependent on the Agency being convinced that it would be well worth while.			50X1
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